Rec'd 09

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 09/78[redacted]48 **ENTERED** CRF Processing Date: 3/29/2001

Edited by: DA

Verified by: _____ (STIC staff)

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: _____
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: _____
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: _____
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: _____
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: _____
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: _____
- ☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____
- ☐ Inserted mandatory headings, specifically: _____
- ☐ Corrected an obvious error in the response, specifically: _____
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: _____
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- ☐ Other: _____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING DATE: 03/29/2001
PATENT APPLICATION: US/09/786,648 TIME: 11:00:23

Input Set : A:\Pto.da
Output Set: N:\CRF3\03292001\I786648.raw

<110> APPLICANT: Williams, Neil Andrew
Hirst, Timothy Raymond
<120> TITLE OF INVENTION: Peptide Fragments of Cholera Toxin B or Enterotoxin B as Vaccine Adjuvants
<130> FILE REFERENCE: 7438
C--> **<140> CURRENT APPLICATION NUMBER: US/09/786,648**
<141> CURRENT FILING DATE: 2001-03-07
<150> PRIOR APPLICATION NUMBER: PCT/GB99/02970
<151> PRIOR FILING DATE: 1999-09-07
<160> NUMBER OF SEQ ID NOS: 6
<170> SOFTWARE: MS DOS
<210> SEQ ID NO: 1
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: encodes heptapeptide of SEQ ID NO 2
<400> SEQUENCE: 1
gaagtaccag gtagtcaaca tatagat 27
<210> SEQ ID NO: 2
<211> LENGTH: 7
<212> TYPE: PRT
<213> ORGANISM: E. coli
<220> FEATURE:
<222> LOCATION: 51...57
<223> OTHER INFORMATION: isolated or synthetic EtxB beta4-alpha2 loop fragment derivable from human variant E. coli
<400> SEQUENCE: 2
Glu Val Pro Gly Ser Gln His
5
<210> SEQ ID NO: 3
<211> LENGTH: 12
<212> TYPE: PRT
<213> ORGANISM: E. coli
<220> FEATURE:
<222> LOCATION: 50...61
<223> OTHER INFORMATION: isolated or synthetic EtxB beta4-alpha2 loop fragment derivable from human variant E. coli
<400> SEQUENCE: 3
Val Glu Val Pro Gly Ser Gln His Ile Asp Ser Gln
5 10
<210> SEQ ID NO: 4
<211> LENGTH: 21
<212> TYPE: PRT
<213> ORGANISM: E. coli
<220> FEATURE:
<222> LOCATION: 45...65

RAW SEQUENCE LISTING DATE: 03/29/2001
PATENT APPLICATION: US/09/786,648 TIME: 11:00:23

Input Set : A:\Pto.da
Output Set: N:\CRF3\03292001\I786648.raw

104 <223> OTHER INFORMATION: isolated or synthetic EtxB beta4-alpha2 loop fragment derivable from
105 human variant E. coli
107 <400> SEQUENCE: 4
110 Gly Ala Thr Phe Gln Val Glu Val Pro Gly Ser Gln His Ile Asp
111 5 10 15
113 Ser Gln Lys Lys Ala Ile
114 20
118 <210> SEQ ID NO: 5
120 <211> LENGTH: 21
122 <212> TYPE: PRT
124 <213> ORGANISM: E. coli
126 <220> FEATURE:
128 <222> LOCATION: 45...65
130 <223> OTHER INFORMATION: isolated or synthetic EtxB beta4-alpha2 loop fragment derivable from
131 porcine E. coli
133 <400> SEQUENCE: 5
135 Gly Glu Thr Phe Gln Val Glu Val Pro Gly Ser Gln His Ile Asp
136 5 10 15
138 Ser Gln Lys Lys Ala Ile
139 20
143 <210> SEQ ID NO: 6
145 <211> LENGTH: 13
147 <212> TYPE: PRT
149 <213> ORGANISM: artificial sequence
151 <220> FEATURE:
153 <223> OTHER INFORMATION: control peptide used in Example 5
155 <400> SEQUENCE: 6
157 Leu Arg Asn Glu Thr Thr Thr Thr Lys Gly Asp Tyr Cys
158 5 10

VERIFICATION SUMMARY DATE: 03/29/2001
PATENT APPLICATION: US/09/786,648 TIME: 11:00:24

Input Set : A:\Pto.da
Output Set: N:\CRF3\03292001\I786648.raw

L:16 M:270 C: Current Application Number differs, Replaced Application Number

PCT

RAW SEQUENCE LISTING DATE: 03/23/2001
PATENT APPLICATION: US/09/786,648 TIME: 09:44:37

Input Set : A:\es.txt
Output Set: N:\CRF3\03232001\I786648.raw

Does Not Comply
Corrected Diskette Needed

```
      7 <110> APPLICANT: Williams, Neil Andrew
      9       Hirst, Timothy Raymond
     11 <120> TITLE OF INVENTION: Peptide Fragments of Cholera Toxin B or Enterotoxin B as Vaccine
     12       Adjuvants
     14 <130> FILE REFERENCE: 7438
C--> 16 <140> CURRENT APPLICATION NUMBER: US/09/786,648
     18 <141> CURRENT FILING DATE: 2001-03-07
     20 <150> PRIOR APPLICATION NUMBER: PCT/GB99/02970
     22 <151> PRIOR FILING DATE: 1999-09-07
     24 <160> NUMBER OF SEQ ID NOS: 6
     26 <170> SOFTWARE: MS DOS


ERRORED SEQUENCES

    143 <210> SEQ ID NO: 6
    145 <211> LENGTH: 13
    147 <212> TYPE: PRT
    149 <213> ORGANISM: artificial sequence
    151 <220> FEATURE:
    153 <223> OTHER INFORMATION: control peptide used in Example 5
    155 <400> SEQUENCE: 6
    157 Leu Arg Asn Glu Thr Thr Thr Thr Lys Gly Asp Tyr Cys
    158                 5                  10
E--> 159 ??
```

delete at end of file

VERIFICATION SUMMARY DATE: 03/23/2001
PATENT APPLICATION: US/09/786,648 TIME: 09:44:38

Input Set : A:\es.txt
Output Set: N:\CRF3\03232001\I786648.raw

L:16 M:270 C: Current Application Number differs, Replaced Application Number
L:159 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:159 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1